

ABSTRACT

An ink distribution assembly for a printhead has a duct cover in which is formed a number of ink inlet ports. Each inlet port is associated with a cross flow channel that
5 extends from a port to a duct opening. The duct cover seals against a distribution molding and the distribution molding has a longitudinal axis and a number of ducts running in parallel along the axis. Each duct opening of the duct cover is located in registry with a duct so that each port is in fluid communication with only one duct. All
10 of the ducts having a lower duct portion which is in fluid communication with an upper layer of a laminated ink distribution structure. The laminated ink distribution structure having a first layer and a number of subsequent layers, each subsequent layer having vertical passages and transverse channels for bringing a fluid from a duct, via the first layer, to one of a number of printhead chips.

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